

IN THE CLAIMS

1. (Currently amended) A method of communicating with an electronic device, comprising:
 - providing a computer having a sound receiving and generating sub-system including a microphone;
 - providing a personal communicator which utilizes a communication network;
 - initiating a connection by said computer, over said communication network, to said personal communicator;
 - transmitting an acoustic wave from the personal communicator to the computer, in response to the connection initiation;
 - receiving the acoustic wave via the microphone of the sound receiving sub-system; and
 - identifying said personal communicator responsive to the received acoustic wave.
2. (Previously presented) A method according to claim 1, wherein initiating a connection comprises directly accessing said communication network from said computer using dedicated hardware.
3. (Original) A method according to claim 2, wherein said hardware comprises a dialer card.
4. (Previously presented) A method according to claim 1, wherein initiating a connection comprises accessing a non-computer data network other than said communication network directly from said computer using dedicated hardware and utilizing a link between said non-computer network and said communication network.
5. (Original) A method according to claim 1, wherein initiating a connection comprises requesting a second computer to create such a connection, which request is made over a computer network.
6. (Previously presented) A method according to claim 1, wherein transmitting an acoustic wave from the personal communicator comprises transmitting a distinct audio response of the personal communicator.

7. (Previously presented) A method according to claim 6, wherein the connection initiation indicates a distinctive audio response that the personal communicator is to transmit.

8. (Original) A method according to claim 1 and comprising transmitting data signals to said personal communicator to be acoustically sounded and received by said computer.

9. (Previously Presented) A method of authentication, comprising:

providing a computer having a sound receiving and generating sub-system including a microphone;

providing a personal communicator which utilizes a communication network;

opening a connection, over said communication network, between said computer and said personal communicator; and

transmitting authentication signals over a closed loop between the computer and the personal communicator including an audio transmission section in a first direction between the sound receiving and generating sub-system of the computer and the personal communicator and a section over the communication network in an opposite direction.

10. (Original) A method according to claim 9, wherein said computer initiates opening said connection.

11. (Original) A method according to claim 9, wherein said personal communicator initiates opening said connection.

12. (Original) A method according to claim 9, wherein said authentication signals comprise sound waves generated by said computer and transmitted by audio to said personal communicator.

13. (Original) A method according to claim 9, wherein said authentication signals comprise sound waves generated by a remote computer and transmitted by said communication network to said personal communicator.

14. (Previously presented) A method according to claim 13, wherein said remote computer initiates said connection.

15. (Previously Presented) A method according to claim 14, comprising, said remote computer causing said personal communicator to generate a sound and detecting said sound by said computer as an indication of a request for authentication.
16. (Original) A method according to claim 9, wherein said authentication signals comprise at least mostly sonic frequencies.
17. (Previously Presented) A method according to claim 16, wherein said signals are encoded using a DTMF-like encoding scheme.
18. (Original) A method according to claim 9, wherein said authentication signals comprise ultrasonic frequencies.
19. (Previously Presented) A method according to claim 1, wherein said personal communicator comprises a cellular telephone.
20. (Previously Presented) A method according to claim 1, wherein said personal communicator comprises a programmable cellular telephone.
21. (Cancelled)
22. (Previously Presented) A method according to claim 1, wherein said personal communicator comprises a beeper.
23. (Previously Presented) A method according to claim 1, wherein said personal communicator comprises a wireless telephone.
24. (Previously Presented) A method according to claim 9, wherein said audio transmission section is a wireless section.